

Network PTZ Dome Camera Firmware

Version: V5.4.3

Release Note

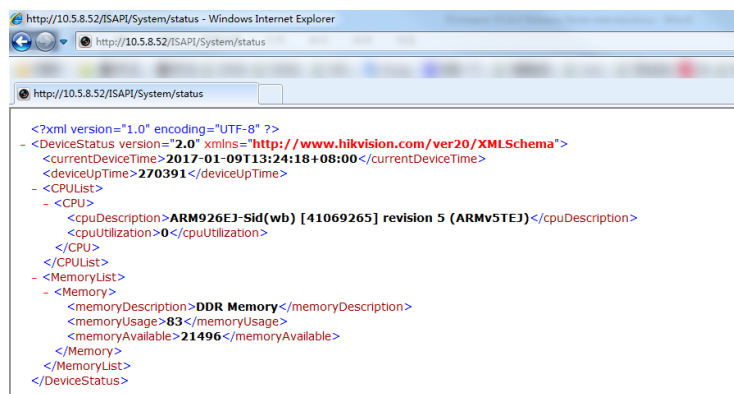
Firmware Basic Information	Firmware Version:	V5.4.3
	SDK Version:	HCNetSDKV5.2.3.5_build20160622_win32
	Play Library (PlayCtrl.dll)	V7.3.1.50_Build20160602
	Encapsulation Library (SystemTransform.dll)	2.5.1.8_win32_base_20160603
	Voice intercom library	1.3.0.5_build.2016.5.31
	Smart configuration library	v3.3.20.2_build20160715
	iVMS-4200	v2.4.7.20build20160728
	IE Client version	V4.0.1build20160712

Hikvision Firmware V5.4.3 Features

- **1, New features**

**for R3, R7 platforms*

- Improve the security of sensitive information. After device reboot, the web component will return to the login interface.
- Add HRUDP protocol for remote view to support reliable transmission based on UDP.
- Support device status display by URL command: *IP/ISAPI/System/status.*



```
http://10.5.8.52/ISAPI/System/status - Windows Internet Explorer
http://10.5.8.52/ISAPI/System/status
http://10.5.8.52/ISAPI/System/status
<?xml version="1.0" encoding="UTF-8" ?>
- <DeviceStatus version="2.0" xmlns="http://www.hikvision.com/ver20/XMLSchema">
  <currentDeviceTime>2017-01-09T13:24:18+08:00</currentDeviceTime>
  <deviceUpTime>270391</deviceUpTime>
  - <CPUList>
    - <CPU>
      <cpuDescription>ARM926EJ-Sid(wb) [41069265] revision 5 (ARMV5TEJ)</cpuDescription>
      <cpuUtilization>0</cpuUtilization>
    </CPU>
  </CPUList>
  - <MemoryList>
    - <Memory>
      <memoryDescription>DDR Memory</memoryDescription>
      <memoryUsage>83</memoryUsage>
      <memoryAvailable>21496</memoryAvailable>
    </Memory>
  </MemoryList>
</DeviceStatus>
```

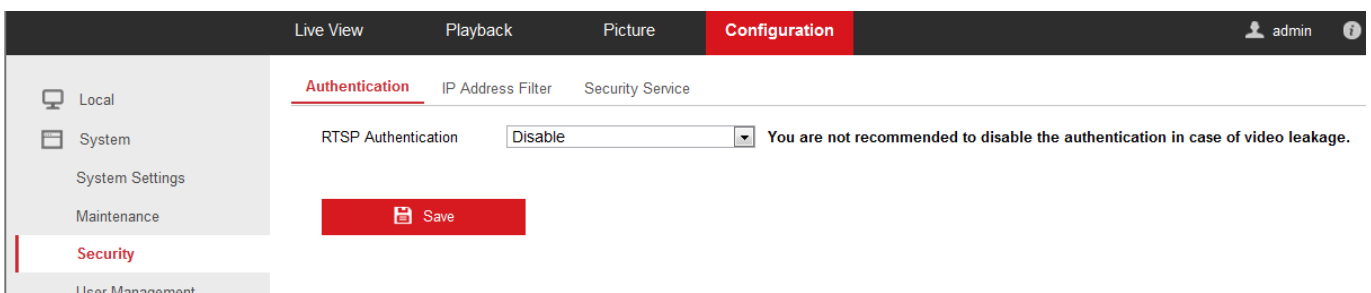
****for R7 platform***

- **For DE4AX20IW-AE models, the default of PTZ OSD is always close.**
- **For all R7 models, the firmware cannot downgraded after upgrade to V5.4.3.**

2, Optimization

****for R3, R7 platforms***

- **The PTZ camera support relative PTZ control command. Hikvision private protocol can configure and obtain relative motion value.**
- **Add interface to get preset information by SDK.**
- **Disable motion detection when switching day & night, to avoid the false motion detection alarm triggered by day & night switch.**
- **Power off memory can record the patrol status. 5seconds after power on again, the PTZ will do the same patrol as the patrol before power off. The patrol will start from the first preset.**
- **Add exposure level in exposure settings, the default is 4.**
- **Adjust the SMD function by change the meaning of sensitivity. Before v5.4.3, the sensitivity means the size of the target box. Now, the sensitivity = the area of the target box intersect with the rule box/ the size of the target.**
- **Add prompt when disable RTSP authentication.**



- **For R3 platform, optimize manually PTZ control speed.**

Compatibility Update

- **HIKCGI version: V2.0;**
- **PSIA version: V1.1;**
- **ONVIF version: V2.6, Official test tool: 1601;**
- **NUUO: Version: V6.3.0, drive version: V4.12 ;**

- **Milestone:**
 - 1) Milestone Enterprise 8.1a(10.0a), Milestone drive version (Driver Pack 8.5),
 - 2) Milestone software version (Milestone Corporate 10.0a), Milestone drive version (Driver 8.5),
- **Avigilon Control Center: V5.8.2.14;**
- **Excaqvision: V7.6.4.95256**
- **Genetec Omnicast: 4.8 SR8**

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action. For any questions and request for this firmware, please contact our local technical support team.

Remarks:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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Supported Product List(DFXXXX)

Product Category	Model Number	Product Description
PTZ Dome Camera	DS-2DF8236I-AEL(W)	2MP Ultra-low Light Smart PTZ Camera
PTZ Dome Camera	DS-2DF8223I-AEL(W)	2MP Ultra-low Light Smart PTZ Camera
PTZ Dome Camera	DS-2DF7286-A/D/AW/AEL	2MP IR Network Speed Dome
PTZ Dome Camera	DS-2DF7284-A/D/AW/AEL	2MP IR Network Speed Dome
PTZ Dome Camera	DS-2DF7230I5-AEL	2MP 30X Network Laser PTZ Dome Camera
PTZ Dome Camera	DS-2DF6236I-AEL	2MP Ultra-low Light Smart PTZ Camera
PTZ Dome Camera	DS-2DF6223I-AEL	2MP Ultra-low Light Smart PTZ Camera
PTZ Dome Camera	DS-2DF5286-A/D/AEL	2MP Network Speed Dome
PTZ Dome Camera	DS-2DF5284-A/D/AEL	2MP Network Speed Dome

Supported Product List (DXXXXXW)

Product Category	Model Number	Product Description
PTZ Dome Camera	DS-2DE4220W-AE/AE3	2MP 20X Network PTZ Dome Camera
PTZ Dome Camera	DS-2DE4220IW-DE	2MP 20X Network IR PTZ Dome Camera
PTZ Dome Camera	DS-2DE3204W-DE	2MP Network Mini PTZ Dome Camera
PTZ Dome Camera	DS-2DE3304W-DE	3MP Network Mini PTZ Dome Camera
PTZ Dome Camera	DS-2DE5220IW-AE	2MP 20X Network IR PTZ Dome Camera
PTZ Dome Camera	DS-2DE5220W-AE(3)	2MP 20X Network IR PTZ Dome Camera
PTZ Dome Camera	DS-2DE7220IW-AE	2MP 20X Network IR PTZ Dome Camera
PTZ Dome Camera	DS-2DE7230IW-AE	2MP 30X Network IR PTZ Dome Camera
PTZ Dome Camera	DS-2DY3220IW-DE	2MP Network IR PTZ Camera
PTZ Dome Camera	DS-2DY3220IW-DE4	2MP Network IR PTZ Camera
PTZ Dome Camera	DS-2DY3320IW-DE	3MP Network IR PTZ Camera
PTZ Dome Camera	DS-2DY3320IW-DE4	3MP Network IR PTZ Camera
PTZ Dome Camera	DS-2DY5223IW-AE	2MP 23X IR PTZ Camera
PTZ Dome Camera	DS-2DY5223IW-DM	2MP 23X Mobile IR PTZ Camera